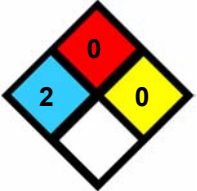




MATERIAL SAFETY DATA SHEET

Methylcyclopentadienyl (Trimethyl) Platinum (IV)

<p>NFPA</p> 	<p>HMIS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #00b0f0; color: white;">HEALTH</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="background-color: #ff0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #ffff00;">REACTIVITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">C</td> </tr> </table>	HEALTH	2	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	C
HEALTH	2								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION	C								

1. Product And Company Identification

<p>Supplier Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States</p> <p>Company Contact: Wayne Sher Telephone Number: 410-398-7200 FAX Number: 410-398-2918 E-Mail: wsher@colonialmetals.com Web Site: colonialmetals.com</p>	<p>Manufacturer Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States</p> <p>Company Contact: Wayne Sher Telephone Number: 410-398-7200 FAX Number: 410-398-2918 E-Mail: wsher@colonialmetals.com Web Site: colonialmetals.com</p>
<p>Supplier Emergency Contacts & Phone Number Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887</p>	<p>Manufacturer Emergency Contacts & Phone Number Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887</p>

Issue Date: 08/09/2005

Product Name: Methylcyclopentadienyl (Trimethyl) Platinum (IV)
Chemical Name: Trimethyl [(1,2,3,4,5-ETA.)-1 Methyl-2, 4-Cyclopentadien-1-yl] Platinum
CAS Number: 94442-22-5
Chemical Family: Metallocene
Chemical Formula: C9H16Pt
MSDS Number: 6110
Product Code: 6110

Synonyms
 Trimethyl [(1,2,3,4,5-ETA.)-1 Methyl-2, 4-Cyclopentadien-1-yl] Platinum

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
Methylcyclopentadienyl (Trimethyl) Platinum	94442-22-5	100

EMERGENCY OVERVIEW

To the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated. Avoid air (store under inert gas). Incompatible with oxidizing agents and air. May decompose toxic fumes of COx and metal oxide



MATERIAL SAFETY DATA SHEET

Methylcyclopentadienyl (Trimethyl) Platinum (IV)

Hazards Identification (Pictograms)



3. Hazards Identification

Primary Routes(s) Of Entry

Eyes: Liley
Ingestion: Likely
Inhalation: Likely
Skin: Likely

Eye Hazards

May cause slight to mild irritation of the eyes.

Skin Hazards

May cause slight to mild irritation of the skin.

Ingestion Hazards

No information on the physiological effects of ingestion.

Inhalation Hazards

May cause nose, throat, and lung irritation. May cause respiratory tract irritation.

Chronic/Carcinogenicity Effects

No information is available on chronic and long term effects.

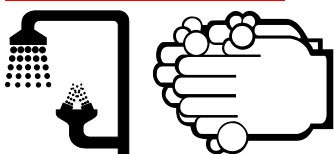
Conditions Aggravated By Exposure

Any respiratory conditions such as asthma. Maintain housekeeping and personal hygiene to minimize exposure and prevent sensitization.

Conditions Aggravated By Overexposure

May result in pulmonary fibrosis. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

First Aid (Pictograms)



4. First Aid Measures

Eye

Flush for 15 minutes with plenty of water. If discomfort occurs or persists, contact a physician.

Skin

Flush area for 15 minutes with water and wash with soap and water. If discomfort occurs or persists, contact a physician. Remove contaminated clothing and shoes and wash before reuse.



MATERIAL SAFETY DATA SHEET

Methylcyclopentadienyl (Trimethyl) Platinum (IV)

4. First Aid Measures - Continued

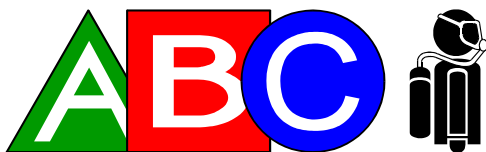
Ingestion

If swallowed contact physician immediately

Inhalation

Remove to fresh air immediately. If discomfort occurs or persists, contact a physician.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point Method: NA

Flammability Class: NA

Fire And Explosion Hazards

Use proper safety equipment. Can decompose to emit toxic, irritating fumes of carbon monoxide, carbon dioxide and metal oxide.

Extinguishing Media

DO NOT use water spray, dry chemical powder, carbon dioxide or sand.

Fire Fighting Instructions

Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Pick up mechanically, caution air sensitive and place in sealed container for reclamation or disposal. Person protected with full face shield and NIOSH approved respirator and cartridge for dust. Ventilate area and wash spill site after pick up is complete.

Handling & Storage (Pictograms)



7. Handling And Storage

Handling And Storage Precautions

Avoid contact with eyes, prolonged or repeated contact with skin. Use compatible chemical-resistant gloves. Wash hands thoroughly after handling.

Handling Precautions

Keep away from heat and direct sunlight.

Storage Precautions

Store in a tightly sealed container.



MATERIAL SAFETY DATA SHEET

Methylcyclopentadienyl (Trimethyl) Platinum (IV)

7. Handling And Storage - Continued

Work/Hygienic Practices

Use good personal hygiene. Wash thoroughly after handling. Wash thoroughly with soap and water after handling.

Other Precautions

0.01 ppm high efficiency particular respirator/supplied air respirator/self-contained breathing apparatus; 0.2 ppm same as above with full face piece; 1 ppm powdered air purifying respirator with high efficiency filter/type C supplied air respirator operated in pressure demand mode. Store in a sealed container, plastic or plastic liner, in a cool, well ventilated, dry area away from volatile acids.

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation. Use with adequate ventilation.

Eye/Face Protection

ANSI approved safety glasses/goggles.

Skin Protection

Rubber/Neoprene (use compatible chemical-resistant gloves)

Respiratory Protection

NIOSH approved chemical cartridge respiratory for particulates and dust or self-contained breathing apparatus with full face shield.

Other/General Protection

Lab coat/apron, flame and chemical resistant protective clothing, eye wash, safety shower, and hygiene facilities for washing

Ingredient(s) - Exposure Limits

Methylcyclopentadienyl (Trimethyl) Platinum

Platinum only:

ACGIH - TWA-0.002 mg/m³

NIOSH TWA - 0.002 mg/m³

OSHA TWA 1 mg/m³

9. Physical And Chemical Properties

Appearance

Off-white powder

Chemical Type: Mixture

Physical State: Solid

Melting Point: 30-31 °C

Boiling Point: Sublimes °C

Specific Gravity: NE

Molecular Weight: 319.32

Vapor Pressure: NE



MATERIAL SAFETY DATA SHEET

Methylcyclopentadienyl (Trimethyl) Platinum (IV)

9. Physical And Chemical Properties - Continued

Appearance - Continued

Vapor Density: NE

pH Factor: NA

Solubility: Insoluble

Evaporation Rate: NE

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Air (store under inert gas)

Incompatible Materials

Mixing with oxidizing agents and air

Hazardous Decomposition Products

Toxic fumes of CO_x and metal oxide

11. Toxicological Information

No Data Available...

12. Ecological Information

No Data Available...

13. Disposal Considerations

Consult Federal EPA, State and local regulations for proper disposal/recycle/reclamation

NOTE: Chemical additions, processing, or otherwise altering this material may make the waste management information presented above incomplete, inaccurate, or otherwise inappropriate.

14. Transport Information

Proper Shipping Name

Non-hazardous

Additional Shipping Paper Description

IATA: Same as DOT 49 CFR regulations. Consult IATA regulations before shipping.

15. Regulatory Information

U.S. Regulatory Information

This product is TSCA listed.

SARA Section 313 Notification

This product does not required notification inder SARA Title 313 requirements.

Canadian Regulatory Information

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

European Union (EU) Regulatory Information

Symbol of Danger: Xi



MATERIAL SAFETY DATA SHEET

Methylcyclopentadienyl (Trimethyl) Platinum (IV)

15. Regulatory Information - Continued

European Union (EU) Regulatory Information - Continued

Indication of Danger: Irritant

R: 36/37/38

Risk Statements: Irritating to eyes, respiratory system and skin.

S: 26 36

Safety Requirements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

DSCL - Europe (Pictograms)



16. Other Information

NFPA Rating

Health: 2

Fire: 0

Reactivity: 0

HMIS Rating

Health: 2

Fire: 0

Reactivity: 0

Personal Protection: C

Revision/Preparer Information

MSDS Preparer: Wayne Sher

MSDS Preparer Phone Number: 410-398-7200

This MSDS Supersedes A Previous MSDS Dated: 02/25/2002

Disclaimer

In compliance with the OSHA Hazard Communication Standard, 29 C.F.R 1910.1200, we are providing you with a Materials Safety Data Sheet (MSDS) for the hazardous material you are purchasing.

It is your responsibility to educate your employees on the safe use of the hazardous material. With this in mind, a copy should be forwarded to the supervisor of the user or to the user themselves, and copy should be retained in your files for future reference.

Colonial Metals, Inc. makes no presentation as to the accuracy of the information in the MSDS. The information is believed to be correct; however, you (the customer), should perform your own investigation and independent verification. If you resell the product, you are responsible to forward the information in the MSDS to your customer.

Colonial Metals, Inc.